

Title (en)
NANOCOMPOSITE POLYESTER PREPARATION METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON NANOKOMPOSIT-POLYESTER

Title (fr)
METHODE DE PREPARATION DE POLYESTER NANOCOMPOSITE

Publication
EP 1385897 A1 20040204 (FR)

Application
EP 02735204 A 20020328

Priority
• EP 02735204 A 20020328
• EP 0203597 W 20020328
• EP 01201265 A 20010406

Abstract (en)
[origin: EP1247829A1] Method of preparation of an aliphatic polyester nanocomposite by mixing a nanofiller into a monomer capable of forming an aliphatic polyester and intercalatively polymerizing the mixture in the presence of a supercritical fluid. An Independent claim is also included for a method of preparing a mixture of the nanocomposite used as a master mixture with a miscible unfilled polymer by mixing in the melt state, with the addition of a thermo- mechanical reinforcement microfiller to the mixture.

IPC 1-7
C08G 63/08; **C08G 63/78**; **C08G 83/00**; **C08K 9/04**; **C01B 33/44**

IPC 8 full level
C01B 33/44 (2006.01); **C08G 63/08** (2006.01); **C08G 63/78** (2006.01); **C08G 83/00** (2006.01); **C08K 9/04** (2006.01)

CPC (source: EP US)
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EP 01201265 A 20010406; AT 02735204 T 20020328; DE 60208897 T 20020328; EP 0203597 W 20020328; EP 02735204 A 20020328; US 47276403 A 20031230